		Exploring Aero	onautics
		2007 Mathen	natics
		Curriculum Sta	andards
South Carolina Mathe	matics		
Grade 5			
Activity/Lesson	State	Standards	
Fundamentals of Aeronautics (145-176)	SC	MA.5.5-3.2	Analyze patterns and functions with words, tables, and graphs.
Science of Flight	SC	MA.5.5-1.2	Construct arguments that lead to conclusions about general mathematical properties and relationships.
0 : (= : 1 :		5 5 0 0	Analyze how data-collection methods affect the
Science of Flight	SC	MA.5.5-6.2	nature of the data set.
Integrating with Aeronautics	sc	MA.5.5-3.1	Represent numeric, algebraic, and geometric patterns in words, symbols, algebraic expressions, and algebraic equations.
Integrating with Aeronautics	SC	MA.5.5-3.2	Analyze patterns and functions with words, tables, and graphs.
Integrating with Aeronautics	SC	MA.5.5-3.3	Match tables, graphs, expressions, equations, and verbal descriptions of the same problem situation.
Scientific Method(124-144)	SC	MA.5.5-1.2	Construct arguments that lead to conclusions about general mathematical properties and relationships.
Scientific Method(124-144)	SC	MA.5.5-6.1	Design a mathematical investigation to address a question.
Scientific Method(124- 144)	SC	MA.5.5-6.2	Analyze how data-collection methods affect the nature of the data set.
		Exploring Aero	pnautics
		2007 Mathen	
		Curriculum Sta	andards
South Carolina Mathe	matics		
Grade 6			
Activity/Lesson	State	Standards	
Fundamentals of Aeronautics (145-176)	SC	MA.6.6-4.9	Classify pairs of angles as either complementary or supplementary.
Integrating with			Use inductive and deductive reasoning to
Aeronautics	SC	MA.6.6-1.3	formulate mathematical arguments.
Integrating with Aeronautics	SC	MA.6.6-1.4	Understand equivalent symbolic expressions as distinct symbolic forms that represent the same relationship.
Integrating with Aeronautics	SC	MA.6.6-1.5	Generalize mathematical statements based on inductive and deductive reasoning.
Integrating with Aeronautics	SC	MA.6.6-1.6	Use correct and clearly written or spoken words, variables, and notations to communicate about significant mathematical tasks.
Integrating with Aeronautics	sc	MA.6.6-2.6	Understand the relationship between ratio/rate and multiplication/division.
Intro to Aeronautics (109-123)	SC	MA.6.6-6.1	Predict the characteristics of one population based on the analysis of sample data.

	<u> </u>	Exploring Aero	nautics
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		Curriculum Sta	
South Carolina Mathe	matics	Junioulum Ote	india de
Grade 7			
Activity/Lesson	State	Standards	
Activity/Lesson	Otate	Otaridards	
Fundamentals of			Analyze tables and graphs to describe the rate
Aeronautics (145-176)	SC	MA.7.7-3.2	of change between and among quantities.
/ toronautioo (110 110)		1717 1.17 1.17 0.12	or orlange between and among quantities.
Fundamentals of			Represent proportional relationships with
Aeronautics (145-176)	SC	MA.7.7-3.6	graphs, tables, and equations.
7 (5) (6) (1) (7) (7)		17.57.17.17.0.0	Represent on a number line the solution of a two
The Resource Center	sc	MA.7.7-3.5	step inequality.
Integrating with		1417.17 0.0	Analyze tables and graphs to describe the rate
Aeronautics	sc	MA.7.7-3.2	of change between and among quantities.
Integrating with		1717 1.17 1.17 0.12	Use inverse operations to solve two-step
Aeronautics	sc	MA.7.7-3.4	equations and two-step inequalities.
Integrating with		1717 1.7 1.7 0.1	Represent on a number line the solution of a two-
Aeronautics	sc	MA.7.7-3.5	step inequality.
Intro to Aeronautics		1417.17 0.0	Analyze tables and graphs to describe the rate
(109-123)	sc	MA.7.7-3.2	of change between and among quantities.
Intro to Aeronautics		1717 1.17 1.17 0.12	Predict the characteristics of two populations
(109-123)	sc	MA.7.7-6.1	based on the analysis of sample data.
Scientific Method(124-		1717 (.7 .7 0.1	Analyze tables and graphs to describe the rate
144)	sc	MA.7.7-3.2	of change between and among quantities.
Scientific Method(124-		1717 1.17 1.17 0.12	Predict the characteristics of two populations
144)	sc	MA.7.7-6.1	based on the analysis of sample data.
111)		1717 1.7 1.7 0.1	bacca cir tire arranyole or campie data.
		Exploring Aero	nautics
		2007 Mathem	
		Curriculum Sta	
South Carolina Mathe	ematics		
Grade 8			
Activity/Lesson	State	Standards	
,			Classify relationships between two variables in
Fundamentals of			graphs, tables, and/or equations as either linear
Aeronautics (145-176)	SC	MA.8.8-3.5	or nonlinear.
7.6.6			Explain the effect on the area of two-
			dimensional shapes and on the volume of three-
			dimensional shapes when one or more of the
Wings(177-208)	sc	MA.8.8-5.2	dimensions are changed.
·····ge(··· 200)		17.7 11.01.0 0.12	Represent the approximate location of irrational
The Resource Center	sc	MA.8.8-2.3	numbers on a number line.
Integrating with		1717 (.0.0 2.0	Use inductive and deductive reasoning to
Aeronautics	sc	MA.8.8-1.3	formulate mathematical arguments.
, 101011441100		1717 (.0.0 1.0	Understand equivalent symbolic expressions as
Integrating with			distinct symbolic forms that represent the same
Aeronautics	sc	MA.8.8-1.4	relationship.
Scientific Method(124-		1717 (.0.0 11	Organize data in matrices or scatterplots as
144)	sc	MA.8.8-6.2	appropriate.
117	100	1417 1.0.0-0.2	appropriate.

			Interpret graphic and tabular data
			representations by using range and the
Scientific Method(124-			measures of central tendency (mean, median,
144)	SC	MA.8.8-6.8	and mode).